

## (1) RMP Program Level 3 Process Checklist

Facility Name: BP Cherry Pt Refinery  
EPA ID # 100000048307

Inspector Javier Morales

RMP Coordinator

US EPA Region 10

1200 6th Ave., Suite 900, OCE-084

Seattle, WA 98101

## Section A - Management [68.15]

Has the owner or operator:

- |  |                                       |                                       |                              |
|--|---------------------------------------|---------------------------------------|------------------------------|
| 1. Developed a management system to oversee the implementation of the risk management program elements? [68.15(a)]   | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N            | <input type="checkbox"/> N/A |
| 2. Assigned a qualified person or position that has the overall responsibility for the development, implementation, and integration of the risk management program elements? [68.15(b)]                          | <input type="checkbox"/> Y            | <input checked="" type="checkbox"/> N | <input type="checkbox"/> N/A |
| 3. Documented other persons responsible for implementing individual requirements of the risk management program and defined the lines of authority through an organization chart or similar document? [68.15(c)] | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N            | <input type="checkbox"/> N/A |

① - PSC-1000 Rev 4/1/13 - Process Safety Overview - Section V pgs 5

② PSM Responsibilities 1002 Rev 12/18/2012, current date 4/5/13  
- document properly shows who is responsible for what RMP elements

- No Statement that there is a qualified person overseeing the overall devel, implementation of the RMP.

- RMP submission 4/3/13 - Chris Sorich

- Verbal told - Scott McCreery - (Program Audit Supt. knows process of RMP)

Mark Moore - Process Safety Supt.

(knows the content of RMP)

③ 1200 RMP Compliance Plan, Rev 1/12/2012 - Provides info on identifying the RMP Coord as the administrator of doing the OCA, 5 yr accident history, assembling the RMP data for submission to EPA.

\* ERM report on RMP update Project No 191939, April 2013 states the qualified person over the RMP for implementation and gives the chart on who is responsible for each element of the RMP.

(16) Section H – Risk Management Plan [40 CFR 68.190 – 68.195]

Facility: BP Cherry Pt Refinery

Inspector: Javier Morales

- |   |   |
|---|---|
| 1. Does the single registration form include, for each covered process, the name and CAS number of each regulated substance held above the threshold quantity in the process, the maximum quantity of each regulated substance or mixture in the process (in pounds) to two significant digits, the five- or six-digit NAICS code that most closely corresponds to the process and the Program level of the process? [68.160(b)(7)]   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A   |
| 2. Did the facility assign the correct program level(s) to its covered process(es)? [68.160(b)(7)]  | Program 3<br><input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A                                  |
| 3. Has the owner or operator reviewed and updated the RMP and submitted it to EPA [68.190(a)]?<br>Reason for update:<br><input type="checkbox"/> Five-year update. [68.190(b)(1)]<br><input type="checkbox"/> Within three years of a newly regulated substance listing. [68.190(b)(2)]<br><input type="checkbox"/> At the time a new regulated substance is first present in an already regulated process above threshold quantities. [68.190(b)(3)]<br><input checked="" type="checkbox"/> At the time a regulated substance is first present in a new process above threshold quantities. [68.190(b)(4)]<br><input type="checkbox"/> Within six months of a change requiring revised PHA or hazard review. [68.190(b)(5)]<br><input type="checkbox"/> Within six months of a change requiring a revised OCA as provided in 68.36. [68.190(b)(6)]<br><input type="checkbox"/> Within six months of a change that alters the Program level that applies to any covered process. [68.190(b)(7)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A<br>Add #3 DHDS unit (#2 H <sub>2</sub> Plant) |
| 4. If the owner or operator experienced an accidental release that met the five-year accident history reporting criteria (as described at 68.42) subsequent to April 9, 2004, did the owner or operator submit the information required at 68.168, 68.170(j) and 68.175(l) within six months of the release or by the time the RMP was updated as required at 68.190, whichever was earlier. [68.195(a)]  | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A   |
| 5. If the emergency contact information required at 68.160(b)(6) has changed since June 21, 2004, did the owner or operator submit corrected information within thirty days of the change? [68.195(b)]  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A<br>Shift Supervisor                |

P80-1600 Rev 4/1/13 - section IV pg 3 - Unit #4 H<sub>2</sub> Plant #2

missing in RMP submission?

- Have RMP submission 4/4/13, BPEC-RMP-016123+0 016137.  
(on file)

- 13 covered processes

\* Incident in 2/17/2012, Unit #10 Crude/Vacuum, fire due to failed pipe that released hot vacuum residuum  
- Chemical released - residuum - not a regulated substance  
- Onsite property damage (significant?) - N/A

\*\* Ask if name / position has changed for emergency contact info.

\*\*\* RMP resubmitted 4/3/13, anniversary reset  
new 5 yr update due 4/3/2018 not due  
2014

Page 1 of 1

from past  
2009 submission

Javier Morales  
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US EPA Region 10  
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Seattle, WA 98101  
6/10/13



(10) RMP Program Level 3 Process Checklist

Facility Name: BP Cherry Pt Refinery

Inspector:

Javier Morales  
RMP Coordinator  
US EPA Region 10

1200 6th Ave., Suite 900, OCE-084  
Seattle, WA 98101

Section C: Prevention Program- Compliance Audits

Prevention Program - Compliance audits [68.79]

- |  |   |
|--|---|
| 41. Has the owner or operator certified that the stationary source has evaluated compliance with the provisions of the prevention program at least every three years to verify that the developed procedures and practices are adequate and being followed? [68.79(a)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 42. Has the audit been conducted by at least one person knowledgeable in the process? [68.79(b)]   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 43. Are the audit findings documented in a report? [68.79(c)]  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 44. Has the owner or operator promptly determined and documented an appropriate response to each of the findings of the audit and documented that deficiencies had been corrected? [68.79(d)]  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 45. Has the owner or operator retained the two most recent compliance reports? [68.79(e)]  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |

- ① PSM Audit Report SOR Audit; date 4/8/2011; field work 2/21 to 3/10/2011  
PSM leader - Janet Warren
- Appendix 1 - CA Certification Form not signed - provided OK
  - Cover - PSE, 68.65(d)(2); MI, 68.73(d)(1); Applicability, in report as findings 68.10, 68.115, 68.130; PSI, 68.65(d)(3) PSI, 68.65(a), (d); PSI, 68.65(a), (d)(1)(iv); PHA; Operating Procedures; Contractors; Prestartup Safety Review; MI, 68.73(d)(3); MOC; Incident Investigation
  - Missing: Employee Participation 68.83; Hot Work Permit, 68.85; Contractors, 68.87; Compliance Audits, 68.79 Training, 68.71
  - Refer to PSM OSHA regulations and then refer to an RMP regulation
  - BP Compliance Audit only Reports identify the findings of problems w/ complying to the RMP reqs.
  - CA 2008 - finding # 0816-37 does not exist in audit report - action item added later part of Mark M. audit

**(11) RMP Program Level 3 Process Checklist**Facility Name: **BP Cherry Pt Refinery**Inspector: **JM** 6/12/13  
Javier Morales  
RMP Coordinator  
US EPA Region 10  
1200 6th Ave., Suite 900, OCE-084  
Seattle, WA 98101**Section C: Prevention Program****Prevention Program - Incident investigation [68.81]**

- |   |  |                                       |                            |                              |
|---|--|---------------------------------------|----------------------------|------------------------------|
| 46. Has the owner or operator investigated each incident that resulted in, or could reasonably have resulted in a catastrophic release of a regulated substance? [68.81(a)]   | <u>2012-IR-4062638</u>                           | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> N/A |
| 47. Were all incident investigations initiated not later than 48 hours following the incident? [68.81(b)]   | <u>2012-IR-4062638</u>                           | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> N/A |
| 48. Was an accident investigation team established and did it consist of at least one person knowledgeable in the process involved, including a contract employee if the incident involved work of a contractor, and other persons with appropriate knowledge and experience to thoroughly investigate and analyze the incident? [68.81(c)]   |  | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> N/A |
| 49. Was a report prepared at the conclusion of every investigation? [68.81(d)]  | <u>for 2012-IR-4062638</u>                       | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> N/A |
| 50. Does every report include: [68.81(d)]<br><input checked="" type="checkbox"/> Date of incident? [68.81(d)(1)]<br><input checked="" type="checkbox"/> Date investigation began? [68.81(d)(2)]<br><input checked="" type="checkbox"/> A description of the incident? [68.81(d)(3)]<br><input checked="" type="checkbox"/> The factors that contributed to the incident? [68.81(d)(4)]<br><input checked="" type="checkbox"/> Any recommendations resulting from the investigation? [68.81(d)(5)] | <u>for 2012-IR-4062638</u>                       | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> N/A |
| 51. Has the owner or operator established a system to address and resolve the report findings and recommendations, and are the resolutions and corrective actions documented? [68.81(e)]  | <u>AI in IR report, use Findings database</u>    | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> N/A |
| 52. Was the report reviewed with all affected personnel whose job tasks are relevant to the incident findings including contract employees where applicable? [68.81(f)]   | <u>use MIA and Safety Sharing (Safety Flash)</u> | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> N/A |
| 53. Has the owner or operator retained incident investigation reports for at least five years? [68.81(g)]   |  | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> N/A |

- SH 1110 - Incident Notification, Incident Investigation & Reporting Procedure Rev 12/16/2012, current date 5/26/13

① - Incident Report: 2012-IR-4062638, Crude Unit Fire of February 17, 2012 - Level A

- Action Item 1099872 (Ref. Recommendation #9) was closed 4/26/12, Finding No 8753

② Incident Report 2008-IR-2859120 LOPC13 Butane Release to OWS Level B - Blender operator saw PSV 33-18 lifting releasing butane

③ Incident Report 2009-IR-2992691, Agency Reportable 02: Loss of Uninterruptible Gas Supply to Refinery, Level B

④ Incident Report 2010-IR-3688786, Agency 11- PE Loss of Boilers, Level B



⑤ Incident Report 2011-IR-3854860, HiPo #1 Reformer  
PCE Injection Line Nozzle Failure, Level B

⑥ Incident Report 2011-IR-3818171, PFW #1 GS4404  
operator injured eye while disconnecting chemical hose,  
Level B

**Section C: Prevention Program**

Implemented the Program 3 prevention requirements as provided in 40 CFR 68.65 - 68.87?

☐S☒M☐U☐N/A

Comments:

**Prevention Program- Safety information [68.65]**

- |   |   |
|---|---|
| <p>1. Has the owner or operator compiled written process safety information, which includes information pertaining to the hazards of the regulated substances used or produced by the process, information pertaining to the technology of the process, and information pertaining to the equipment in the process, before conducting any process hazard analysis required by the rule? [68.65(a)]</p> <p>Does the process safety information contain the following for hazards of the substances: [68.65(b)]</p> <p><input checked="" type="checkbox"/> Material Safety Data Sheets (MSDS) that meet the requirements of the OSHA Hazard Communication Standard [29 CFR 1910.1200(g)]? [68.48(a)(1)]</p> <p><input checked="" type="checkbox"/> Toxicity information? [68.65(b)(1)]</p> <p><input checked="" type="checkbox"/> Permissible exposure limits? [68.65(b)(2)]</p> <p><input checked="" type="checkbox"/> Physical data? [68.65(b)(3)]</p> <p><input checked="" type="checkbox"/> Reactivity data? [68.65(b)(4)]</p> <p><input checked="" type="checkbox"/> Corrosivity data? [68.65(b)(5)]</p> <p><input checked="" type="checkbox"/> Thermal and chemical stability data? [68.65(b)(6)]</p> <p><input checked="" type="checkbox"/> Hazardous effects of inadvertent mixing of materials that could foreseeably occur? [68.65(b)(7)]</p> | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| <p>2. Has the owner documented information pertaining to technology of the process?</p> <p><input checked="" type="checkbox"/> A block flow diagram or simplified process flow diagram? [68.65(c)(1)(i)]</p> <p><input checked="" type="checkbox"/> Process chemistry? [68.65(c)(1)(ii)]</p> <p><input checked="" type="checkbox"/> Maximum intended inventory? [68.65(c)(1)(iii)]</p> <p><input checked="" type="checkbox"/> Safe upper and lower limits for such items as temperatures, pressures, flows, or compositions? [68.65(c)(1)(iv)]</p> <p><input checked="" type="checkbox"/> An evaluation of the consequences of deviation? [68.65(c)(1)(iv)]</p>   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| <p>3. Does the process safety information contain the following for the equipment in the process: [68.65(d)(1)]</p> <p><input checked="" type="checkbox"/> Materials of construction? 68.65(d)(1)(i)]</p> <p><input type="checkbox"/> Piping and instrumentation diagrams [68.65(d)(1)(ii)]</p> <p><input checked="" type="checkbox"/> Electrical classification? [68.65(d)(1)(iii)]</p> <p><input checked="" type="checkbox"/> Relief system design and design basis? [68.65(d)(1)(iv)]</p> <p><input checked="" type="checkbox"/> Ventilation system design? [68.65(d)(1)(v)]</p> <p><input checked="" type="checkbox"/> Design codes and standards employed? [68.65(d)(1)(vi)]</p> <p><input type="checkbox"/> Material and energy balances for processes built after June 21, 1999? [68.65(d)(1)(vii)]</p> <p><input checked="" type="checkbox"/> Safety systems? [68.65(d)(1)(viii)]</p>   | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A |
| <p>4. Has the owner or operator documented that equipment complies with recognized and generally accepted good engineering practices? [68.65(d)(2)]</p>   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| <p>5. Has the owner or operator determined and documented that existing equipment, designed and constructed in accordance with codes, standards, or practices that are no longer in general use, is designed, maintained, inspected, tested, and operating in a safe manner? [68.65(d)(3)]</p>  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |



**Prevention Program- Operating procedures [68.69]**

14. Has the owner or operator developed and implemented written operating procedures that provide instructions or steps for conducting activities associated with each covered process consistent with the safety information? [68.69(a)] ☒ Y ☐ N ☐ N/A

15. Do the procedures address the following: [68.69(a)] ☐ Y ☒ N ☐ N/A

Steps for each operating phase: [68.69(a)(1)]

- ☒ Initial Startup? [68.69(a)(1)(i)]
- ☒ Normal operations? [68.69(a)(1)(ii)]
- ☒ Temporary operations? [68.69(a)(1)(iii)]
- ☐ Emergency shutdown including the conditions under which emergency shutdown is required, and the assignment of shutdown responsibility to qualified operators to ensure that emergency shutdown is executed in a safe and timely manner? [68.69(a)(1)(iv)]
- ☒ Emergency operations? [68.69(a)(1)(v)]
- ☒ Normal shutdown? [68.69(a)(1)(vi)]
- ☒ Startup following a turnaround, or after emergency shutdown? [68.69(a)(1)(vii)]

Operating limits: [68.69(a)(2)]

- ☒ Consequences of deviations [68.69(a)(2)(i)]
- ☒ Steps required to correct or avoid deviation? [68.69(a)(2)(ii)]

Safety and health considerations: [68.69(a)(3)]

- ☒ Properties of, and physical hazards presented by, the chemicals used in the process [68.69(a)(3)(i)]
- ☒ Precautions necessary to prevent exposure, including engineering controls, administrative controls, and personal protective equipment? [68.69(a)(3)(ii)]
- ☒ Control measures to be taken if physical contact or airborne exposure occurs? [68.69(a)(3)(iii)]
- ☒ Quality control for raw materials and control of hazardous chemical inventory levels? [68.69(a)(3)(iv)]
- ☒ Any special or unique hazards? [68.69(a)(3)(v)]
- ☒ Safety systems and their functions? [68.69(a)(4)]

16. Are operating procedures readily accessible to employees who are involved in a process? [68.69(b)] ☒ Y ☐ N ☐ N/A

17. Has the owner or operator certified annually that the operating procedures are current and accurate and that procedures have been reviewed as often as necessary? [68.69(c)] ☒ Y ☐ N ☐ N/A

18. Has the owner or operator developed and implemented safe work practices to provide for the control of hazards during specific operations, such as lockout/tagout? [68.69(d)] ☒ Y ☐ N ☐ N/A

**Prevention Program - Mechanical Integrity [68.73]**

25. Has the owner or operator established and implemented written procedures to maintain the on-going integrity of the process equipment listed in 68.73(a)? [68.73(b)] ☐ Y ☒ N ☐ N/A

26. Has the owner or operator trained each employee involved in maintaining the on-going integrity of process equipment? [68.73(c)] ☒ Y ☐ N ☐ N/A

27. Performed inspections and tests on process equipment? [68.73(d)(1)] ☒ Y ☐ N ☐ N/A

28. Followed recognized and generally accepted good engineering practices for inspections and testing procedures? [68.73(d)(2)] ☒ Y ☐ N ☐ N/A

29. Ensured the frequency of inspections and tests of process equipment is consistent with applicable manufacturers' recommendations, good engineering practices, and prior operating experience? [68.73(d)(3)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
30. Documented each inspection and test that had been performed on process equipment, which identifies the date of the inspection or test, the name of the person who performed the inspection or test, the serial number or other identifier of the equipment on which the inspection or test was performed, a description of the inspection or test performed, and the results of the inspection or test? [68.73(d)(4)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
31. Corrected deficiencies in equipment that were outside acceptable limits defined by the process safety information before further use or in a safe and timely manner when necessary means were taken to assure safe operation? [68.73(e)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
32. Assured that equipment as it was fabricated is suitable for the process application for which it will be used in the construction of new plants and equipment? [68.73(f)(1)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
33. Performed appropriate checks and inspections to assure that equipment was installed properly and consistent with design specifications and the manufacturer's instructions? [68.73(f)(2)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
34. Assured that maintenance materials, spare parts and equipment were suitable for the process application for which they would be used? [68.73(f)(3)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

**Prevention Program - Management Of Change [68.75]**

35. Has the owner or operator established and implemented written procedures to manage changes to process chemicals, technology, equipment, and procedures, and changes to stationary sources that affect a covered process? [68.75(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
36. Do procedures assure that the following considerations are addressed prior to any change: [68.75(b)] <input type="checkbox"/> The technical basis for the proposed change? [68.75(b)(1)] <input type="checkbox"/> Impact of change on safety and health? [68.75(b)(2)] <input type="checkbox"/> Modifications to operating procedures? [68.75(b)(3)] <input type="checkbox"/> Necessary time period for the change? [68.75(b)(4)] <input type="checkbox"/> Authorization requirements for the proposed change? [68.75(b)(5)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
37. Were employees, involved in operating a process and maintenance, and contract employees, whose job tasks would be affected by a change in the process, informed of, and trained in, the change prior to start-up of the process or affected parts of the process? [68.75(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
38. If a change resulted in a change in the process safety information, was such information updated accordingly? [68.75(d)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
39. If a change resulted in a change in the operating procedures or practices, had such procedures or practices been updated accordingly? [68.75(e)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

**Prevention Program - Pre-startup Safety Review [68.77]**

40. If the facility installed a new stationary source, or significantly modified an existing source, (as discussed at 68.77(a)) did it perform a pre-startup safety review prior to the introduction of a regulated substance to a process to confirm: [68.77(b)] <input type="checkbox"/> Construction and equipment was in accordance with design specifications? [68.77(b)(1)] <input type="checkbox"/> Safety, operating, maintenance, and emergency procedures were in place and were adequate? [68.77(b)(2)] <input type="checkbox"/> For new stationary sources, a process hazard analysis had been performed and recommendations had been resolved or implemented before startup? [68.77(b)(3)] <input type="checkbox"/> Modified stationary sources meet the requirements contained in management of change? [68.77(b)(3)] <input type="checkbox"/> Training of each employee involved in operating a process had been completed? [68.77(b)(4)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
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**(11) RMP Program Level 3 Process Checklist****Facility Name:***BP Chey Port***Inspector:***Chy Hess***Section C: Prevention Program****Prevention Program - Incident investigation [68.81]**

46. Has the owner or operator investigated each incident that resulted in, or could reasonably have resulted in a catastrophic release of a regulated substance? [68.81(a)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
47. Were all incident investigations initiated not later than 48 hours following the incident? [68.81(b)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
48. Was an accident investigation team established and did it consist of at least one person knowledgeable in the process involved, including a contract employee if the incident involved work of a contractor, and other persons with appropriate knowledge and experience to thoroughly investigate and analyze the incident? [68.81(c)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
49. Was a report prepared at the conclusion of every investigation? [68.81(d)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
50. Does every report include: [68.81(d)] <input checked="" type="checkbox"/> Date of incident? [68.81(d)(1)] <input checked="" type="checkbox"/> Date investigation began? [68.81(d)(2)] <input checked="" type="checkbox"/> A description of the incident? [68.81(d)(3)] <input checked="" type="checkbox"/> The factors that contributed to the incident? [68.81(d)(4)] <input checked="" type="checkbox"/> Any recommendations resulting from the investigation? [68.81(d)(5)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
51. Has the owner or operator established a system to address and resolve the report findings and recommendations, and are the resolutions and corrective actions documented? [68.81(e)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
52. Was the report reviewed with all affected personnel whose job tasks are relevant to the incident findings including contract employees where applicable? [68.81(f)]	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
53. Has the owner or operator retained incident investigation reports for at least five years? [68.81(g)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A

**(15) Section G - Emergency Response [68.90 - 68.95]****Facility:** BP Cherry Point**Inspector:** Cy Leeds

1. Is the facility designated as a "first responder" in case of an accidental release of regulated substances?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
1.a. If the facility is not a first responder:	
1.a.(1) For stationary sources with any regulated substances held in a process above threshold quantities, is the source included in the community emergency response plan developed under 42 U.S.C. 11003? [68.90(b)(1)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
1.a.(2) For stationary sources with only regulated flammable substances held in a process above threshold quantities, has the owner or operator coordinated response actions with the local fire department? [68.90(b)(2)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
1.a.(3) Are appropriate mechanisms in place to notify emergency responders when there is need for a response? [68.90(b)(3)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
2. An emergency response plan is maintained at the stationary source and contains the following? [68.95(a)(1)]	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Procedures for informing the public and local emergency response agencies about accidental releases? [68.95(a)(1)(i)]	
<input type="checkbox"/> Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures? [68.95(a)(1)(ii)]	
<input checked="" type="checkbox"/> Procedures and measures for emergency response after an accidental release of a regulated substance? [68.95(a)(1)(iii)]	
3. The emergency response plan contains procedures for the use of emergency response equipment and for its inspection, testing, and maintenance? [68.95(a)(2)]	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
4. The emergency response plan requires, and there is documentation of, training for all employees in relevant procedures? [68.95(a)(3)]	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
5. The owner or operator has developed and implemented procedures to review and update, as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes? [68.95(a)(4)]	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
6. Did the owner or operator use a written plan that complies with other Federal contingency plan regulations or is consistent with the approach in the National Response Team's Integrated Contingency Plan Guidance ("One Plan")? If so, does the plan include the elements provided in paragraph (a) of 68.95, and also complies with paragraph (c) of 68.95? [68.95(b)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
7. Has the emergency response plan been coordinated with the community emergency response plan developed under EPCRA? [68.95(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A



**(6) RMP Program Level 3 Process Checklist**Facility Name: BP Cherry PointInspector: CRAIG HAAS**Section C: Prevention Program- Training****Prevention Program - Training [68.71]**

19. Has each employee involved in operating a process, and each employee before being involved in operating a newly assigned process, been initially trained in an overview of the process and in the operating procedures? [68.71(a)(1)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
20. Did initial training include emphasis on safety and health hazards, emergency operations including shutdown, and safe work practices applicable to the employee's job tasks? [68.71(a)(1)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
21. In lieu of initial training for those employees already involved in operating a process on June 21, 1999, an owner or operator may certify in writing that the employee has the required knowledge, skills, and abilities to safely carry out the duties and responsibilities as specified in the operating procedures [68.71(a)(2)]	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> N/A
22. Has refresher training been provided at least every three years, or more often if necessary, to each employee involved in operating a process to assure that the employee understands and adheres to the current operating procedures of the process? [68.71(b)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
23. Has owner or operator ascertained and documented in record that each employee involved in operating a process has received and understood the training required? [68.71(c)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
24. Does the prepared record contain the identity of the employee, the date of the training, and the means used to verify that the employee understood the training? [68.71(c)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A

**(12) RMP Program Level 3 Process Checklist****Facility Name:** BP CHERRY POINT**Inspector:** CRAIG HAAS**Section D - Employee Participation [68.83]**

1. Has the owner or operator developed a written plan of action regarding the implementation of the employee participation required by this section? [68.83(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
2. Has the owner or operator consulted with employees and their representatives on the conduct and development of process hazards analyses and on the development of the other elements of process safety management in chemical accident prevention provisions? [68.83(b)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
3. Has the owner or operator provided to employees and their representatives access to process hazards analyses and to all other information required to be developed under the chemical accident prevention rule? [68.83(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

**(2) RMP Program Level 3 Process Checklist**

Facility Name:

BP CARRY POINT

Inspector:

BOB HALE

**Section B: Hazard Assessment [68.20-68.42]****Hazard Assessment: Offsite consequence analysis parameters [68.22]**

1. Used the following endpoints for offsite consequence analysis for a worst-case scenario: [68.22(a)] <input checked="" type="checkbox"/> For toxics: the endpoints provided in Appendix A of 40 CFR Part 68? [68.22(a)(1)] <input checked="" type="checkbox"/> For flammables: an explosion resulting in an overpressure of 1 psi? [68.22(a)(2)(i)]; or <input type="checkbox"/> For flammables: a fire resulting in a radiant heat/exposure of 5 kw/m <sup>2</sup> for 40 seconds? [68.22(a)(2)(ii)] <input type="checkbox"/> For flammables: a concentration resulting in a lower flammability limit, as provided in NFPA documents or other generally recognized sources? [68.22(a)(2)(iii)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
2. Used the following endpoints for offsite consequence analysis for an alternative release scenario: [68.22(a)] <input checked="" type="checkbox"/> For toxics: the endpoints provided in Appendix A of 40 CFR Part 68? [68.22(a)(1)] <input checked="" type="checkbox"/> For flammables: an explosion resulting in an overpressure of 1 psi? [68.22(a)(2)(i)] <input type="checkbox"/> For flammables: a fire resulting in a radiant heat/exposure of 5 kw/m <sup>2</sup> for 40 seconds? [68.22(a)(2)(ii)] <input type="checkbox"/> For flammables: a concentration resulting in a lower flammability limit, as provided in NFPA documents or other generally recognized sources? [68.22(a)(2)(iii)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
3. Used appropriate wind speeds and stability classes for the release analysis? [68.22(b)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
4. Used appropriate ambient temperature and humidity values for the release analysis? [68.22(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
5. Used appropriate values for the height of the release for the release analysis? [68.22(d)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
6. Used appropriate surface roughness values for the release analysis? [68.22(e)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
7. Do tables and models, used for dispersion analysis of toxic substances, appropriately account for dense or neutrally buoyant gases? [68.22(f)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
8. Were liquids, other than gases liquefied by refrigeration only, considered to be released at the highest daily maximum temperature, based on data for the previous three years appropriate for a stationary source, or at process temperature, whichever is higher? [68.22(g)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A

**Hazard Assessment: Worst-case release scenario analysis [68.25]**

9. Analyzed and reported in the RMP one worst-case release scenario estimated to create the greatest distance to an endpoint resulting from an accidental release of a regulated toxic substance from covered processes under worst-case conditions? [68.25(a)(2)(i)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
10. Analyzed and reported in the RMP one worst-case release scenario estimated to create the greatest distance to an endpoint resulting from an accidental release of a regulated flammable substance from covered processes under worst-case conditions? [68.25(a)(2)(ii)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
11. Analyzed and reported in the RMP additional worst-case release scenarios for a hazard class if the worst-case release from another covered process at the stationary source potentially affects public receptors different from those potentially affected by the worst-case release scenario developed under 68.25(a)(2)(i) or 68.25(a)(2)(ii)? [68.25(a)(2)(iii)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A



**(2) RMP Program Level 3 Process Checklist****Facility Name:**

12. Has the owner or operator determined the worst-case release quantity to be the greater of the following: [68.25(b)] <input checked="" type="checkbox"/> If released from a vessel, the greatest amount held in a single vessel, taking into account administrative controls that limit the maximum quantity? [68.25(b)(1)] <input type="checkbox"/> If released from a pipe, the greatest amount held in the pipe, taking into account administrative controls that limit the maximum quantity? [68.25(b)(2)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13.a. Has the owner or operator for <u>toxic substances</u> that are <u>normally gases</u> at <u>ambient temperature</u> and handled as a <u>gas or liquid</u> under pressure:	
13.a.(1) Assumed the whole quantity in the vessel or pipe would be released as a gas over 10 minutes? [68.25(c)(1)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13.a.(2) Assumed the release rate to be the total quantity divided by 10, if there are no passive mitigation systems in place? [68.25(c)(1)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13.b. Has the owner or operator for <u>toxic gases</u> handled as <u>refrigerated liquids</u> at <u>ambient pressure</u> :	
13.b.(1) Assumed the substance would be released as a gas in 10 minutes, if not contained by passive mitigation systems or if the contained pool would have a depth of 1 cm or less? [68.25(c)(2)(i)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.b.(2) [ Optional for owner / operator ] Assumed the quantity in the vessel or pipe would be spilled instantaneously to form a liquid pool, if the released substance would be contained by passive mitigation systems in a pool with a depth greater than 1 cm? [68.25(c)(2)(ii)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.b.(3) Calculated the volatilization rate at the boiling point of the substance and at the conditions specified in 68.25(d)? [68.25(c)(2)(ii)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c. Has the owner or operator for <u>toxic substances</u> that are <u>normally liquids</u> at <u>ambient temperature</u> :	
13.c.(1) Assumed the quantity in the vessel or pipe would be spilled instantaneously to form a liquid pool? [68.25(d)(1)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(2) Determined the surface area of the pool by assuming that the liquid spreads to 1 cm deep, if there is no passive mitigation system in place that would serve to contain the spill and limit the surface area, or if passive mitigation is in place, was the surface area of the contained liquid used to calculate the volatilization rate? [68.25(d)(1)(i)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(3) Taken into account the actual surface characteristics, if the release would occur onto a surface that is not paved or smooth? [68.25(d)(1)(ii)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(4) Determined the volatilization rate by accounting for the highest daily maximum temperature in the past three years, the temperature of the substance in the vessel, and the concentration of the substance if the liquid spilled is a mixture or solution? [68.25(d)(2)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(5) Determined the rate of release to air from the volatilization rate of the liquid pool? [68.25(d)(3)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(6) Determined the rate of release to air by using the methodology in the RMP Offsite Consequence Analysis Guidance, any other publicly available techniques that account for the modeling conditions and are recognized by industry as applicable as part of current practices, or proprietary models that account for the modeling conditions may be used provided the owner or operator allows the implementing agency access to the model and describes model features and differences from publicly available models to local emergency planners upon request? [68.25(d)(3)]  What modeling technique did the owner or operator use? [68.25(g)] _____	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.d. Has the owner or operator for <u>flammables</u> :	
13.d.(1) Assumed the quantity in a vessel(s) of flammable gas held as a gas or liquid under pressure or refrigerated gas released to an undiked area vaporizes resulting in a vapor cloud explosion? [68.25(e)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A

**(2) RMP Program Level 3 Process Checklist****Facility Name:**

13.d.(2) For refrigerated gas released to a contained area or liquids released below their atmospheric boiling point, assumed the quantity volatilized in 10 minutes results in a vapor cloud? [68.25(f)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.d.(3) Assumed a yield factor of 10% of the available energy is released in the explosion for determining the distance to the explosion endpoint, if the model used is based on TNT-equivalent methods? [68.25(e)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
14. Used the parameters defined in 68.22 to determine distance to the endpoints? [68.25(g)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
15. Determined the rate of release to air by using the methodology in the RMP Offsite Consequence Analysis Guidance, any other publicly available techniques that account for the modeling conditions and are recognized by industry as applicable as part of current practices, or proprietary models that account for the modeling conditions may be used provided the owner or operator allows the implementing agency access to the model and describes model features and differences from publicly available models to local emergency planners upon request? [68.25(g)] What modeling technique did the owner or operator use? [68.25(g)] <u>RMP COMP</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
16. Ensured that the passive mitigation system, if considered, is capable of withstanding the release event triggering the scenario and will still function as intended? [68.25(h)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A <u>RSN</u>
17. Considered also the following factors in selecting the worst-case release scenarios: [68.25(i)] <input type="checkbox"/> Smaller quantities handled at higher process temperature or pressure? [68.25(i)(1)] <input checked="" type="checkbox"/> Proximity to the boundary of the stationary source? [68.25(i)(2)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A <u>6/13/13</u>

**Hazard Assessment: Alternative release scenario analysis [68.28]**

18. Identified and analyzed at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes? [68.28(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
19. Selected a scenario: [68.28(b)] <input checked="" type="checkbox"/> That is more likely to occur than the worst-case release scenario under 68.25? [68.28(b)(1)(i)] <input type="checkbox"/> That will reach an endpoint off-site, unless no such scenario exists? [68.28(b)(1)(ii)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
20. Considered release scenarios which included, but are not limited to, the following: [68.28(b)(2)] <input checked="" type="checkbox"/> Transfer hose releases due to splits or sudden hose uncoupling? [68.28(b)(2)(i)] <input type="checkbox"/> Process piping releases from failures at flanges, joints, welds, valves and valve seals, and drains or bleeds? [68.28(b)(2)(ii)] <input checked="" type="checkbox"/> Process vessel or pump releases due to cracks, seal failure, or drain, bleed, or plug failure? [68.28(b)(2)(iii)] <input checked="" type="checkbox"/> Vessel overfilling and spill, or overpressurization and venting through relief valves or rupture disks? [68.28(b)(2)(iv)] <input type="checkbox"/> Shipping container mishandling and breakage or puncturing leading to a spill? [68.28(b)(2)(v)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
21. Used the parameters defined in 68.22 to determine distance to the endpoints? [68.28(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
22. Determined the rate of release to air by using the methodology in the RMP Offsite Consequence Analysis Guidance, any other publicly available techniques that account for the modeling conditions and are recognized by industry as applicable as part of current practices, or proprietary models that account for the modeling conditions may be used provided the owner or operator allows the implementing agency access to the model and describes model features and differences from publicly available models to local emergency planners upon request? [68.28(c)] What modeling technique did the owner or operator use? [68.25(g)] <u>RMP COMP</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

**(2) RMP Program Level 3 Process Checklist****Facility Name:**

23. Ensured that the passive and active mitigation systems, if considered, are capable of withstanding the release event triggering the scenario and will be functional? [68.28(d)]

☒ Y ☐ N ☒ N/A

24. Considered the following factors in selecting the alternative release scenarios: [68.28(e)]

☒ Y ☐ N ☐ N/A

☐ The five-year accident history provided in 68.42? [68.28(e)(1)]

☒ Failure scenarios identified under 68.50? [68.28(e)(2)]

**Hazard Assessment: Defining off-site impacts–Population [68.30]**

25. Estimated population that would be included in the distance to the endpoint in the RMP based on a circle with the point of release at the center? [68.30(a)]

☒ Y ☐ N ☐ N/A

26. Identified the presence of institutions, parks and recreational areas, major commercial, office, and industrial buildings in the RMP? [68.30(b)]

☒ Y ☐ N ☐ N/A

27. Used most recent Census data, or other updated information to estimate the population? [68.30(c)]

☒ Y ☐ N ☐ N/A

28. Estimated the population to two significant digits? [68.30(d)]

☒ Y ☐ N ☐ N/A

**Hazard Assessment: Defining off-site impacts–Environment [68.33]**

29. Identified environmental receptors that would be included in the distance to the endpoint based on a circle with the point of release at the center? [68.33(a)]

☒ Y ☐ N ☐ N/A

30. Relied on information provided on local U.S.G.S. maps, or on any data source containing U.S.G.S. data to identify environmental receptors? [Source may have used LandView to obtain information] [68.33(b)]

☒ Y ☐ N ☐ N/A

**Hazard Assessment: Review and update [68.36]**

31. Reviewed and updated the off-site consequence analyses at least once every five years? [68.36(a)]

☒ Y ☐ N ☐ N/A

32. Completed a revised analysis and submit a revised RMP within six months of a change in processes, quantities stored or handled, or any other aspect that might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more? [68.36(b)]

☐ Y ☐ N ☒ N/A

**Hazard Assessment: Documentation [68.39]**

33. For worst-case scenarios: a description of the vessel or pipeline and substance selected, assumptions and parameters used, the rationale for selection, and anticipated effect of the administrative controls and passive mitigation on the release quantity and rate? [68.39(a)]

☒ Y ☐ N ☐ N/A

34. For alternative release scenarios: a description of the scenarios identified, assumptions and parameters used, the rationale for the selection of specific scenarios, and anticipated effect of the administrative controls and mitigation on the release quantity and rate? [68.39(b)]

☒ Y ☐ N ☐ N/A

35. Documentation of estimated quantity released, release rate, and duration of release? [68.39(c)]

☒ Y ☐ N ☐ N/A

36. Methodology used to determine distance to endpoints? [68.39(d)]

☒ Y ☐ N ☐ N/A

37. Data used to estimate population and environmental receptors potentially affected? [68.39(e)]

☒ Y ☐ N ☐ N/A

**Hazard Assessment: Five-year accident history [68.42]**

38. Has the owner or operator included all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage? [68.42(a)]

☐ Y ☒ N ☐ N/A

**(2) RMP Program Level 3 Process Checklist****Facility Name:**

39. Has the owner or operator reported the following information for each accidental release: [68.42(b)]

☒ Y ☐ N ☐ N/A

- ☒ Date, time, and approximate duration of the release? [68.42(b)(1)]
- ☒ Chemical(s) released? [68.42(b)(2)]
- ☒ Estimated quantity released in pounds and percentage weight in a mixture (toxics)? [68.42(b)(3)]
- ☒ NAICS code for the process? [68.42(b)(4)]
- ☒ The type of release event and its source? [68.42(b)(5)]
- ☒ Weather conditions (if known)? [68.42(b)(6)]
- ☒ On-site impacts? [68.42(b)(7)]
- ☒ Known offsite impacts? [68.42(b)(8)]
- ☒ Initiating event and contributing factors (if known)? [68.42(b)(9)]
- ☒ Whether offsite responders were notified (if known)? [68.42(b)(10)]
- ☒ Operational or process changes that resulted from investigation of the release? [68.42(b)(11)]



**(4) RMP Program Level 3 Process Checklist**Facility Name: **BP CADDY POINT**Inspector: **BOB HALES****Section C: Prevention Program – Process Hazard Analysis****Prevention Program- Process Hazard Analysis [68.67]**

6. Has the owner or operator performed an initial process hazard analysis (PHA), and has this analysis identified, evaluated, and controlled the hazards involved in the process? [68.67(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
7. Has the owner or operator determined and documented the priority order for conducting PHAs, and was it based on an appropriate rationale? [68.67(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
8. Has the owner used one or more of the following technologies to conduct process PHA: [68.67(b)] <input type="checkbox"/> What-if? [68.67(b)(1)] <input type="checkbox"/> Checklist? [68.67(b)(2)] <input type="checkbox"/> What-if/Checklist? [68.67(b)(3)] <input checked="" type="checkbox"/> Hazard and Operability Study (HAZOP) [68.67(b)(4)] <input type="checkbox"/> Failure Mode and Effects Analysis (FMEA) [68.67(b)(5)] <input type="checkbox"/> Fault Tree Analysis? [68.67(b)(6)] <input type="checkbox"/> An appropriate equivalent methodology? [68.67(b)(7)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
9. Did the PHA address: <input checked="" type="checkbox"/> The hazards of the process? [68.67(c)(1)] <input checked="" type="checkbox"/> Identification of any incident that had a likely potential for catastrophic consequences? [68.67(c)(2)] <input checked="" type="checkbox"/> Engineering and administrative controls applicable to hazards and interrelationships? [68.67(c)(3)] <input checked="" type="checkbox"/> Consequences of failure of engineering and administrative controls? [68.67(c)(4)] <input type="checkbox"/> Stationary source siting? [68.67(c)(5)] <input checked="" type="checkbox"/> Human factors? [68.67(c)(6)] <input checked="" type="checkbox"/> An evaluation of a range of the possible safety and health effects of failure of controls? [68.67(c)(7)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
10. Was the PHA performed by a team with expertise in engineering and process operations and did the team include appropriate personnel? [68.67(d)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
11. Has the owner or operator established a system to promptly address the team's findings and recommendations; assured that the recommendations are resolved in a timely manner and documented; documented what actions are to be taken; completed actions as soon as possible; developed a written schedule of when these actions are to be completed; and communicated the actions to operating, maintenance, and other employees whose work assignments are in the process and who may be affected by the recommendations? [68.67(e)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
12. Has the PHA been updated and revalidated by a team every five years after the completion of the initial PHA to assure that the PHA is consistent with the current process? [68.67(f)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13. Has the owner or operator retained PHAs and updates or revalidations for each process covered, as well as the resolution of recommendations for the life of the process? [68.67(g)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

**(4) RMP Program Level 3 Process Checklist****Facility Name:****Inspector:****Section C: Prevention Program – Process Hazard Analysis****Prevention Program- Process Hazard Analysis [68.67]**

6. Has the owner or operator performed an initial process hazard analysis (PHA), and has this analysis identified, evaluated, and controlled the hazards involved in the process? [68.67(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
7. Has the owner or operator determined and documented the priority order for conducting PHAs, and was it based on an appropriate rationale? [68.67(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
8. Has the owner used one or more of the following technologies to conduct process PHA: [68.67(b)] <input type="checkbox"/> What-if? [68.67(b)(1)] <input type="checkbox"/> Checklist? [68.67(b)(2)] <input type="checkbox"/> What-if/Checklist? [68.67(b)(3)] <input type="checkbox"/> Hazard and Operability Study (HAZOP) [68.67(b)(4)] <input type="checkbox"/> Failure Mode and Effects Analysis (FMEA) [68.67(b)(5)] <input type="checkbox"/> Fault Tree Analysis? [68.67(b)(6)] <input type="checkbox"/> An appropriate equivalent methodology? [68.67(b)(7)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
9. Did the PHA address: <input type="checkbox"/> The hazards of the process? [68.67(c)(1)] <input type="checkbox"/> Identification of any incident that had a likely potential for catastrophic consequences? [68.67(c)(2)] <input type="checkbox"/> Engineering and administrative controls applicable to hazards and interrelationships?[68.67(c)(3)] <input type="checkbox"/> Consequences of failure of engineering and administrative controls? [68.67(c)(4)] <input type="checkbox"/> Stationary source siting? [68.67(c)(5)] <input type="checkbox"/> Human factors? [68.67(c)(6)] <input type="checkbox"/> An evaluation of a range of the possible safety and health effects of failure of controls? [68.67(c)(7)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
10. Was the PHA performed by a team with expertise in engineering and process operations and did the team include appropriate personnel? [68.67(d)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
11. Has the owner or operator established a system to promptly address the team's findings and recommendations; assured that the recommendations are resolved in a timely manner and documented; documented what actions are to be taken; completed actions as soon as possible; developed a written schedule of when these actions are to be completed; and communicated the actions to operating, maintenance, and other employees whose work assignments are in the process and who may be affected by the recommendations? [68.67(e)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
12. Has the PHA been updated and revalidated by a team every five years after the completion of the initial PHA to assure that the PHA is consistent with the current process? [68.67(f)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13. Has the owner or operator retained PHAs and updates or revalidations for each process covered, as well as the resolution of recommendations for the life of the process? [68.67(g)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

**(4) RMP Program Level 3 Process Checklist****Facility Name:****Inspector:****Section C: Prevention Program – Process Hazard Analysis****Prevention Program- Process Hazard Analysis [68.67]**

6. Has the owner or operator performed an initial process hazard analysis (PHA), and has this analysis identified, evaluated, and controlled the hazards involved in the process? [68.67(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
7. Has the owner or operator determined and documented the priority order for conducting PHAs, and was it based on an appropriate rationale? [68.67(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
8. Has the owner used one or more of the following technologies to conduct process PHA: [68.67(b)] <input type="checkbox"/> What-if? [68.67(b)(1)] <input type="checkbox"/> Checklist? [68.67(b)(2)] <input type="checkbox"/> What-if/Checklist? [68.67(b)(3)] <input type="checkbox"/> Hazard and Operability Study (HAZOP) [68.67(b)(4)] <input type="checkbox"/> Failure Mode and Effects Analysis (FMEA) [68.67(b)(5)] <input type="checkbox"/> Fault Tree Analysis? [68.67(b)(6)] <input type="checkbox"/> An appropriate equivalent methodology? [68.67(b)(7)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
9. Did the PHA address: <input type="checkbox"/> The hazards of the process? [68.67(c)(1)] <input type="checkbox"/> Identification of any incident that had a likely potential for catastrophic consequences? [68.67(c)(2)] <input type="checkbox"/> Engineering and administrative controls applicable to hazards and interrelationships?[68.67(c)(3)] <input type="checkbox"/> Consequences of failure of engineering and administrative controls? [68.67(c)(4)] <input type="checkbox"/> Stationary source siting? [68.67(c)(5)] <input type="checkbox"/> Human factors? [68.67(c)(6)] <input type="checkbox"/> An evaluation of a range of the possible safety and health effects of failure of controls? [68.67(c)(7)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
10. Was the PHA performed by a team with expertise in engineering and process operations and did the team include appropriate personnel? [68.67(d)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
11. Has the owner or operator established a system to promptly address the team's findings and recommendations; assured that the recommendations are resolved in a timely manner and documented; documented what actions are to be taken; completed actions as soon as possible; developed a written schedule of when these actions are to be completed; and communicated the actions to operating, maintenance, and other employees whose work assignments are in the process and who may be affected by the recommendations? [68.67(e)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
12. Has the PHA been updated and revalidated by a team every five years after the completion of the initial PHA to assure that the PHA is consistent with the current process? [68.67(f)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13. Has the owner or operator retained PHAs and updates or revalidations for each process covered, as well as the resolution of recommendations for the life of the process? [68.67(g)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A



**(4) RMP Program Level 3 Process Checklist****Facility Name:****Inspector:****Section C: Prevention Program – Process Hazard Analysis****Prevention Program- Process Hazard Analysis [68.67]**

6. Has the owner or operator performed an initial process hazard analysis (PHA), and has this analysis identified, evaluated, and controlled the hazards involved in the process? [68.67(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
7. Has the owner or operator determined and documented the priority order for conducting PHAs, and was it based on an appropriate rationale? [68.67(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
8. Has the owner used one or more of the following technologies to conduct process PHA: [68.67(b)] <input type="checkbox"/> What-if? [68.67(b)(1)] <input type="checkbox"/> Checklist? [68.67(b)(2)] <input type="checkbox"/> What-if/Checklist? [68.67(b)(3)] <input type="checkbox"/> Hazard and Operability Study (HAZOP) [68.67(b)(4)] <input type="checkbox"/> Failure Mode and Effects Analysis (FMEA) [68.67(b)(5)] <input type="checkbox"/> Fault Tree Analysis? [68.67(b)(6)] <input type="checkbox"/> An appropriate equivalent methodology? [68.67(b)(7)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
9. Did the PHA address: <input type="checkbox"/> The hazards of the process? [68.67(c)(1)] <input type="checkbox"/> Identification of any incident that had a likely potential for catastrophic consequences? [68.67(c)(2)] <input type="checkbox"/> Engineering and administrative controls applicable to hazards and interrelationships? [68.67(c)(3)] <input type="checkbox"/> Consequences of failure of engineering and administrative controls? [68.67(c)(4)] <input type="checkbox"/> Stationary source siting? [68.67(c)(5)] <input type="checkbox"/> Human factors? [68.67(c)(6)] <input type="checkbox"/> An evaluation of a range of the possible safety and health effects of failure of controls? [68.67(c)(7)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
10. Was the PHA performed by a team with expertise in engineering and process operations and did the team include appropriate personnel? [68.67(d)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
11. Has the owner or operator established a system to promptly address the team's findings and recommendations; assured that the recommendations are resolved in a timely manner and documented; documented what actions are to be taken; completed actions as soon as possible; developed a written schedule of when these actions are to be completed; and communicated the actions to operating, maintenance, and other employees whose work assignments are in the process and who may be affected by the recommendations? [68.67(e)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
12. Has the PHA been updated and revalidated by a team every five years after the completion of the initial PHA to assure that the PHA is consistent with the current process? [68.67(f)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13. Has the owner or operator retained PHAs and updates or revalidations for each process covered, as well as the resolution of recommendations for the life of the process? [68.67(g)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

**(4) RMP Program Level 3 Process Checklist****Facility Name:****Inspector:****Section C: Prevention Program – Process Hazard Analysis****Prevention Program- Process Hazard Analysis [68.67]**

6. Has the owner or operator performed an initial process hazard analysis (PHA), and has this analysis identified, evaluated, and controlled the hazards involved in the process? [68.67(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
7. Has the owner or operator determined and documented the priority order for conducting PHAs, and was it based on an appropriate rationale? [68.67(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
8. Has the owner used one or more of the following technologies to conduct process PHA: [68.67(b)] <input type="checkbox"/> What-if? [68.67(b)(1)] <input type="checkbox"/> Checklist? [68.67(b)(2)] <input type="checkbox"/> What-if/Checklist? [68.67(b)(3)] <input type="checkbox"/> Hazard and Operability Study (HAZOP) [68.67(b)(4)] <input type="checkbox"/> Failure Mode and Effects Analysis (FMEA) [68.67(b)(5)] <input type="checkbox"/> Fault Tree Analysis? [68.67(b)(6)] <input type="checkbox"/> An appropriate equivalent methodology? [68.67(b)(7)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
9. Did the PHA address: <input type="checkbox"/> The hazards of the process? [68.67(c)(1)] <input type="checkbox"/> Identification of any incident that had a likely potential for catastrophic consequences? [68.67(c)(2)] <input type="checkbox"/> Engineering and administrative controls applicable to hazards and interrelationships?[68.67(c)(3)] <input type="checkbox"/> Consequences of failure of engineering and administrative controls? [68.67(c)(4)] <input type="checkbox"/> Stationary source siting? [68.67(c)(5)] <input type="checkbox"/> Human factors? [68.67(c)(6)] <input type="checkbox"/> An evaluation of a range of the possible safety and health effects of failure of controls? [68.67(c)(7)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
10. Was the PHA performed by a team with expertise in engineering and process operations and did the team include appropriate personnel? [68.67(d)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
11. Has the owner or operator established a system to promptly address the team's findings and recommendations; assured that the recommendations are resolved in a timely manner and documented; documented what actions are to be taken; completed actions as soon as possible; developed a written schedule of when these actions are to be completed; and communicated the actions to operating, maintenance, and other employees whose work assignments are in the process and who may be affected by the recommendations? [68.67(e)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
12. Has the PHA been updated and revalidated by a team every five years after the completion of the initial PHA to assure that the PHA is consistent with the current process? [68.67(f)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13. Has the owner or operator retained PHAs and updates or revalidations for each process covered, as well as the resolution of recommendations for the life of the process? [68.67(g)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

(13) RMP Program Level 3 Process Checklist

Facility Name: BPC/CHERRY POINT

Inspector: BOB HALE S

Section E - Hot Work Permit [68.85]

1. Has the owner or operator issued a hot work permit for each hot work operation conducted on or near a covered process? [68.85(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
2. Does the permit document that the fire prevention and protection requirements in 29CFR 1910.252(a) have been implemented prior to beginning the hot work operations? [68.85(b)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
3. Does the permit indicate the date(s) authorized for hot work and the object(s) upon which hot work is to be performed? [68.85(b)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
4. Are the permits being kept on file until completion of the hot work operations? [68.85(b)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A



**(14) Section F - Contractors [68.87]****Facility:** BP CARRY POINT**Inspector:** BOB HALE

1. Has the owner or operator obtained and evaluated information regarding the contract owner or operator's safety performance and programs when selecting a contractor? [68.87(b)(1)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
2. Informed contract owner or operator of the known potential fire, explosion, or toxic release hazards related to the contractor's work and the process? [68.87(b)(2)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
3. Explained to the contract owner or operator the applicable provisions of the emergency response or the emergency action program? [68.87(b)(3)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
4. Developed and implemented safe work practices consistent with §68.69(d), to control the entrance, presence, and exit of the contract owner or operator and contract employees in the covered process areas? [68.87(b)(4)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
5. Periodically evaluated the performance of the contract owner or operator in fulfilling their obligations (as described at 68.87(c)(1) – (c)(5))? [68.87(b)(5)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

**(15) Section G - Emergency Response [68.90 - 68.95]****Facility:** BP CHERRY POINT**Inspector:** BOB HALES

1. Is the facility designated as a "first responder" in case of an accidental release of regulated substances?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
1.a. If the facility is not a first responder:	
1.a.(1) For stationary sources with any regulated substances held in a process above threshold quantities, is the source included in the community emergency response plan developed under 42 U.S.C. 11003? [68.90(b)(1)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
1.a.(2) For stationary sources with only regulated flammable substances held in a process above threshold quantities, has the owner or operator coordinated response actions with the local fire department? [68.90(b)(2)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
1.a.(3) Are appropriate mechanisms in place to notify emergency responders when there is need for a response? [68.90(b)(3)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
2. An emergency response plan is maintained at the stationary source and contains the following? [68.95(a)(1)] <input checked="" type="checkbox"/> Procedures for informing the public and local emergency response agencies about accidental releases? [68.95(a)(1)(i)] <input checked="" type="checkbox"/> Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures? [68.95(a)(1)(ii)] <input checked="" type="checkbox"/> Procedures and measures for emergency response after an accidental release of a regulated substance? [68.95(a)(1)(iii)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
3. The emergency response plan contains procedures for the use of emergency response equipment and for its inspection, testing, and maintenance? [68.95(a)(2)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
4. The emergency response plan requires, and there is documentation of, training for all employees in relevant procedures? [68.95(a)(3)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
5. The owner or operator has developed and implemented procedures to review and update, as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes? [68.95(a)(4)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
6. Did the owner or operator use a written plan that complies with other Federal contingency plan regulations or is consistent with the approach in the National Response Team's Integrated Contingency Plan Guidance ("One Plan")? If so, does the plan include the elements provided in paragraph (a) of 68.95, and also complies with paragraph (c) of 68.95? [68.95(b)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
7. Has the emergency response plan been coordinated with the community emergency response plan developed under EPCRA? [68.95(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 10  
1200 Sixth Avenue, Suite 900  
Seattle, Washington 98101-3140

Facility Follow-up Documentation

Facility: BP Cherry Point Refinery

Address: 4519 Grandview Road, Blaine, Washington 98230

Date: 6/14/2013

Facility Representative:

Mark Moore

EPA Representative:

Javier Morales

The above named facility underwent a Risk Management Plan (RMP) inspection on the noted date. The EPA inspection involved reviewing specific documentation related to the implementation and maintenance of the RMP. On the date of the inspection the following items were said to be in existence but were not available for review. EPA agrees to allow the above named facility two (2) weeks from the date of the inspection to forward the listed documentation to Javier Morales, 112(r) Enforcement Coordinator at Office of Environmental Cleanup U.S. Environmental Protection Agency 1200 Sixth Avenue, Suite 900, Mail Stop OCE-084 Seattle, Washington 98101.

**Note:** Documentation can not be generated to replace the missing items. The EPA retains the right to reject any documentation under this allowance.

1. Refer to EPA Initial Document Request Tracker
2. and Verification of Receipt dated 6/14/2013.
3. \_\_\_\_\_
4. \_\_\_\_\_
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**RECEIPT OF DOCUMENTS**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Region 10**

Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME:

*6/14/2013 10:52 AM*

FACILITY NAME:

BP Cherry Point Refinery

INSPECTOR (NAME, ADDRESS, PHONE):

Javier Morales  
1200 6<sup>th</sup> Ave, Suite 900, OCE-084  
Seattle, WA 98101  
206-553-1255

FACILITY ADDRESS:

4519 Grandview Road  
Blaine, Washington 98230

During inspection, copies of the following documents were received from the above referenced facility:

Document Date

Author

Title

*6/14/2013*

*BP Cherry Pt Refinery*

*EPA Initial Document Request Tracker  
and Verification of Receipt #. Follow  
up documentation will be provided  
post inspection.*

INSPECTOR SIGNATURE

*Javier Morales*

RECIPIENT SIGNATURE

*Mark Moore*

NAME  
Javier Morales

NAME

*Mark Moore*

TITLE  
RMP Coordinator

DATE SIGNED

*6/14/13*

TITLE

*PSM SUPT.*

DATE SIGNED

*6/14/13*



**Sign-In Sheet**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region 10**

Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME:

10-June-2013 / 08:45

FACILITY NAME:

BP Cherry Point Refinery

INSPECTOR (NAME, ADDRESS, PHONE):

Javier Morales  
1200 6<sup>th</sup> Ave, Suite 900, OCE-084, Seattle, WA 98101  
206-553-1255

FACILITY ADDRESS:

4519 Grandview Road0  
Blaine, Washington 98230

Name	Title	Phone #	email address
Jim Petersen	EPA-START Contractor	503-248-5600	jpetersen@ene.com
CRAIG HAAS	ENVIRONMENTAL SCIENTIST	202-544-6447	HAAS.CRAIG@EPA.GOV
Steve Goodman	Attorney	206-340-9607	sgoodman@grahamandunn.com
BOB HALES	EPA REGION 10	206 553 4090	HALES.BOB@EPA.GOV
ASTEGHIK KHAJETOORIAN	SR COUNSEL	949637-1041	KHAJATA@bp.com
Lauren Bickle	Paralegal	206-340-8781	lbickle@grahamandunn.com
Karrin Fielder	Paralegal	206 340 9623	Kfielder@grahamandunn.com
ROBERT M. MCCARTHY	STORE DIRECTOR, BP	360 595 8435	robert.mccarthy@bp.com
Kernan McHugh	Technical Manager	360 371-1765	Kernan.McHugh@bp.com
Dan Overman	Acting OPS manager	360 371-2981	OVERMDA@BP.com
BRUCE LIERMAN	PROJECTS SUPERINTENDENT	360 371-8763	BRUCE.LIERMAN@BP
Brian Barclay	MAINT MANAGER	360 303-5335	BARCLBW@BP.COM
Bob Wallace	HSSE Manager	360-371-1807	Robert.Wallace@BP.com
EMILY CROSS	PSM Assistant	360.371.1949	emily.cross@bp.com
Kim Bonner	Executive Assistant	360.371.1893	Kim.bonner@bp.com
BILL KIDD	GPA	360 371 1145	william.kidd@bp.com
SCOTT MCCREERY	PROGRAM AUDIT SUP	360/371-1605	scott.mccreery@bp.com
Zach Hiett	Attorney	206 340-9635	zhiett@grahamandunn.com
David Clark	ERG (Inspection Team)	540-808-8408	dave.clark@ej.com
Dan Raper	ERG	703-841-1704	dan.raper@erg.com
MARK MOORE	PROCESS SAFETY SUP	360-371-1200	MOOREUS@BP.COM



**Sign-In Sheet**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region 10**

Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME:

6/10/2013 9:10 AM

FACILITY NAME:

BP Cherry Point Refinery

INSPECTOR (NAME, ADDRESS, PHONE):

Javier Morales  
1200 6<sup>th</sup> Ave, Suite 900, OCE-084, Seattle, WA 98101  
206-553-1255

FACILITY ADDRESS:

4519 Grandview Road0  
Blaine, Washington 98230

Name

Title

Phone #

email address

Javier Morales RMP Coordinator 206-553-1255 morales.javier@epa.gov





**Sign-In Sheet**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region 10**

Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME:

6/11/13

9:05 AM

FACILITY NAME:

BP Cherry Point Refinery

INSPECTOR (NAME, ADDRESS, PHONE):

Javier Morales

1200 6<sup>th</sup> Ave, Suite 900, OCE-084, Seattle, WA 98101

206-553-1255

FACILITY ADDRESS:

4519 Grandview Road0

Blaine, Washington 98230

Name

Title

Phone #

email address

CRAIG HAAS

202-824-6447

HAAS.CRAIG@EPA.gov

Jim Petersen EPA-START

503-248-8600

j.petersen@epa.gov

MARK MOORE PSM Supt.

360-371-1200

MOOREMS@BP.com

ASTEGHIK KHASETOORIAN SR. COUNCIL 949-637-1041

khaseja@bp.com

Bob Wallace

360-371-1807

Robert.Wallace@bp.com



**BP Cherry Point Refinery**  
**June 10 - 14, 2013**

[illegible]



**Sign-In Sheet**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region 10**

Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME:

6/12/2013

FACILITY NAME:

BP Cherry Point Refinery

INSPECTOR (NAME, ADDRESS, PHONE):

Javier Morales  
1200 6<sup>th</sup> Ave, Suite 900, OCE-084, Seattle, WA 98101  
206-553-1255

FACILITY ADDRESS:

4519 Grandview Road0  
Blaine, Washington 98230

Name

Title

Phone #

email address

Craig Haas EPA

Jim Petersen ESE

Dave Sawicki BP

Murray Falk BP

Bob Hales EPA

A. Chaghtourian - BP legal Council

Legal Stenoperson (BP law Council)

(Interview regarding Emergency Response. forgot to send around sign-in sheet during interview, so filled out later - JF)



## U.S. ENVIRONMENTAL PROTECTION AGENCY

Clean Air Act §112r Risk Management Program (CAA RMP)

[illegible]

**Sign-In Sheet**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region 10**

## Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME: 6/12/13 12:54 PM	FACILITY NAME: BP Cherry Point Refinery
INSPECTOR (NAME, ADDRESS, PHONE): Javier Morales 1200 6 <sup>th</sup> Ave, Suite 900, OCE-084, Seattle, WA 98101 206-553-1255	FACILITY ADDRESS: 4519 Grandview Road0 Blaine, Washington 98230

Name	Title	Phone #	email address
Javier Morales	RMP Coordinator	206-553-1255	morales.javier@epa.gov
Chris Sorich	Process Safety Engineer	360-371-1545	chris.sorich@bp.com
Karnie Fielder			
Steve Goodwin		425-941-6648	
CRA/6 HANS			





## Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME: 12 June 13/1330hrs	FACILITY NAME: BP Cherry Point Refinery
INSPECTOR (NAME, ADDRESS, PHONE): Javier Morales 1200 6 <sup>th</sup> Ave, Suite 900, OCE-084, Seattle, WA 98101 206-553-1255	FACILITY ADDRESS: 4519 Grandview Road0 Blaine, Washington 98230

Name	Title	Phone #	email address
Todd Anderson	<sup>Outgoing</sup> I&E Supt. / <sup>Incoming</sup> Inspect Supt.		
Pat Miller	Inspection		
Leigh Klein	Superintendent of ICBME, emeritus		
BRETT Emmons	Reliability Engineering Superintendent		
Lesli Higginson	Sr. Environmental Engineer		
Jim Petersen	EPA-START Contractor		
Zach Hiatt	Attorney - Graham & Dunn		
Karrie Fielder	Paralegal "		
ASTEGHIC KHAJEDORIAN	Attorney, BP		
David Clark	EPA Inspection Team Member		

**Sign-In Sheet**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region 10**

## Sensor By-Pass - MOC Element

**US EPA**  
**Risk Management Program Inspection**

**BP Cherry Point Refinery**  
**June 10 - 14, 2013**

[illegible]

[illegible]



**June 10 - 14, 2013**

[illegible]



## RECEIPT OF NOTICE OF RIGHT TO CLAIM CONFIDENTIALITY

### U.S. ENVIRONMENTAL PROTECTION AGENCY

#### Region 10

Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME:

6/10/2013 9:07 AM

FACILITY NAME:

BP Cherry Point Refinery

INSPECTOR (NAME, ADDRESS, PHONE):

Javier Morales  
1200 6<sup>th</sup> Ave, Suite 900, OCE-084  
Seattle, WA 98101  
206-553-1255

FACILITY ADDRESS:

4519 Grandview Road0  
Blaine, Washington 98230

**Notice of Right to Claim Confidentiality:** You may assert a business confidentiality claim covering all or part of the information requested during the course of this inspection, as provided in 40 C.F.R. §2.203(b). To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document over which you make a claim of confidentiality should be marked by either attaching a cover sheet stamped or typed with a legend to indicate the intent to claim confidentiality. The stamp or typed legend or other suitable form of notice should employ language such as "trade secret" or "proprietary" or "company confidential" and indicate a date if any when the information should no longer be treated as confidential.

All confidentiality claims are subject to agency verification and must be made in accordance with 40 C.F.R. §2.208 which provides in part that you satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; and that the information is not and has not been, reasonably obtainable by legitimate means without your consent.

**NOTE:** Signature of this Receipt of Notice of Right to Claim Confidentiality verifies only that such notice has been received and does not waive that right.

INSPECTOR SIGNATURE

*Javier Morales*

RECIPIENT SIGNATURE

*Mark Moon*

NAME

Javier Morales

NAME

Mark Moon

TITLE

RMP Coordinator

DATE SIGNED

6/10/2013

TITLE

RSM SUPERINTENDENT

DATE SIGNED

6/10/13



## NOTICE OF INSPECTION

### U.S. ENVIRONMENTAL PROTECTION AGENCY

#### Region 10

Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME: <i>6/10/2013 9:07AM</i>	FACILITY NAME: BP Cherry Point Refinery
INSPECTOR (NAME, ADDRESS, PHONE): Javier Morales 1200 6 <sup>th</sup> Ave, Suite 900, OCE-084 Seattle, WA 98101 206-553-1255	FACILITY ADDRESS: 4519 Grandview Road0 Blaine, Washington 98230

**REASON FOR INSPECTION:** U. S. EPA is conducting this inspection for the purpose of determining compliance with the requirements of EPCRA Section 312 and Section 112(r) of the Clean Air Act (CAA), as authorized under CAA Section 114 and implementing regulations at 40 CFR Part 68.

The scope of this inspection may include, but is not limited to reviewing and obtaining copies of documents and records; interviews and taking of statements; reviewing of chemical manufacturing, importing, processing, and/or use facilities, including waste handling and treatment operations; taking samples and photographs; and any other inspection activities necessary to determine compliance with the Acts.

INSPECTOR SIGNATURE <i>Javier Morales</i>		RECIPIENT SIGNATURE <i>Manic Moore</i>	
NAME Javier Morales		NAME <i>Manic Moore</i>	
TITLE RMP Coordinator	DATE SIGNED <i>6/10/2013</i>	TITLE <i>PSM SUPERINTENDENT</i>	DATE SIGNED <i>6/10/13</i>



**BP Cherry Point Refinery  
Blaine, WA  
RMP Inspection  
June 10 - 14, 2013  
Outline for Opening Conference**

- Introduction of Inspection Team and Facility Personnel. (Handout Inspection Sign-in Sheet)
- Inspection purpose and objective (Handout Notice of Inspection).
- Discuss CBI (Handout CBI Notice Form).
- Document review and interviews. (Document Control process, Notice of Receipt of Documents Form, sign in sheet for interviews, interview process, ORC available by phone.)
- Require Safety briefing for EPA Inspection Team by BP before tour.
- Inspection agenda for the rest of the week. (8:30 AM to 5 PM, Document Review, inspector walk thru of process units, scheduled interviews)
- Photos will be taken during inspection tour and walk-thru.
- Closing Conference on Friday, June 14, 2013 at 9:00 AM or 11 AM. (Discuss findings, concerns and recommendations with facility.)

\* - 13 Covered Processes: (12 + 1)

- ① Unit #10 Crude/Vacuum
- ② Unit #11, #1 Reformer/Napha
- ③ Unit #15 Hydrocracker
- ④ #3 DADS {New - initial status} 4/2013